

Title (en)
A METHOD, AN ARRANGEMENT AND A SYSTEM FOR DETERMINING INTEGRITY OF A PACKAGE

Title (de)
VERFAHREN, ANORDNUNG UND SYSTEM ZUR BESTIMMUNG DER INTEGRITÄT EINER VERPACKUNG

Title (fr)
PROCÉDÉ, AGENCEMENT ET SYSTÈME PERMETTANT DE DÉTERMINER L'INTÉGRITÉ D'UN EMBALLAGE

Publication
EP 3540400 A1 20190918 (EN)

Application
EP 18161703 A 20180314

Priority
EP 18161703 A 20180314

Abstract (en)
A method (600) for assessing a package (100) is presented, wherein the package (100) is a multi-layer package comprising an Aluminum foil (212) held between at least one internal layer and at least one external layer. The method comprises filling (602) the package with a first conductive liquid (304), placing (604) the package in a tray (306) filled with a second conductive liquid (308), such that the Aluminum foil (212) is in contact with the second conductive liquid (308), placing (606) a first cable (310) connected to an apparatus (302) in contact with the first conductive liquid (304), placing (608) a second cable (312) connected to the apparatus (302) in contact with the second conductive liquid (308), providing (610) a potential difference between the first and second cable (312, 314), obtaining (612) current data over a period of time in a circuit formed by the first cable (310), the first conductive liquid (304), the package (100), the second conductive liquid (308) and the second cable (312), identifying (614) a current decay in the current data, determining (616) a capacitance based on the current decay, and comparing (618) the capacitance with capacitance reference data in order to determine if the circuit is closed.

IPC 8 full level
G01M 3/40 (2006.01)

CPC (source: EP)
G01M 3/40 (2013.01)

Citation (search report)
• [X] US 5760295 A 19980602 - YASUMOTO KENJI [JP]
• [A] WO 2012091661 A1 20120705 - TETRA LAVAL HOLDINGS & FINANCE [CH], et al

Cited by
CN111272363A

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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